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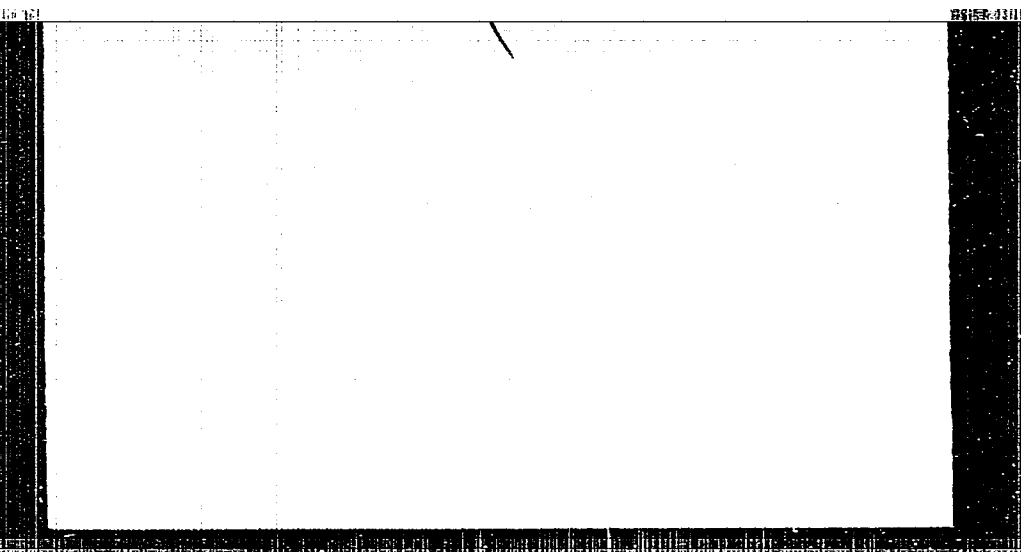
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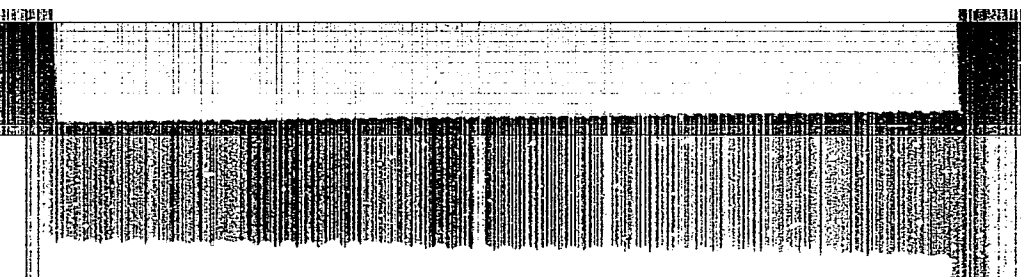
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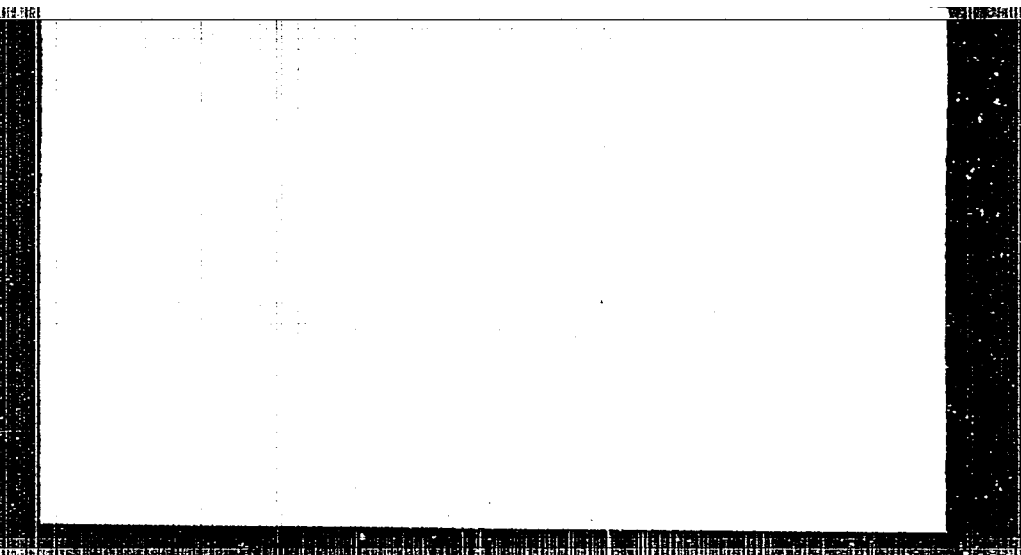
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Phase studies, Chemical equilibrium, Thermodynamics,
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K-H 10607-c
Trans. of Iikagaku Kenkyujo Hokoku (Japan) 1959, v. 35,
no. 6, p. 425-428.

DESCRIPTORS: *Nicotine, Adsorbents, *Ion exchange
resins.

(Chemistry--Organic, TT, v. 8, no. 4)

62-17394

63-16687

- I. Kawabe, H.
- II. Tsuboyama, S.
- III. Yanagida, M.
- IV. K-H-10607-c
- V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

Office of Technical Services

TT-64-10500

Hishiki, Yasushi, Taki, Ko, Tamura, Hifumi, and
Nanbu, Susumu.

COLOR SENSITIZATION OF PHOTOCONDUCTORS. I.
COLOR SENSITIZATION OF CdS AND ZnO WITH
CYANINE DYE. [1963] 19p (figs omitted) 5refs
Order from SLA \$1.60 TT-64-10500

Trans. of Rikagaku Kenkyujo Hokoku (Japan) 1960,
v. 36, p. 386-398. (Abstract available)

DESCRIPTORS: *Photoelectric materials, *Photo-
sensitivity, Colors, Cadmium compounds, Sulfides,
Zinc compounds, Oxides, Dyes, Phthalocyanines,
Photochemistry,

Experiments were conducted on the dye adsorption of
photoconductive semiconductors including zinc oxide
and cadmium sulfide and on the wavelength sensitization
of photo conduction effected by dyestuffs. It was found
that the wavelength sensitization of cadmium sulfide is
(Materials--Photographic, TT, v. 11, no. 10) (over)

- I. Hishiki, Y.
- II. Taki, K.
- III. Tamura, H
- IV. Nanbu, S.
- V. Title: Color...

Office of Technical Services

A Study of Sodium Orthoferrites. Part I.
Formation of Orthoferrites, by Shoichi Okamoto,
Takeshi Takei, 11 pp.

JAPANESE, per, Rikagaku Kenkyujo Hokoku, Vol XXXVI,
No 6, 1960, pp 694-699. 9679014 A

Navy Tr/NRL 918

Sci - Chem

Dec 62

219,352

Determination of Lattice Constants by X-Ray Diffractometer, Lattice Constants of UC and UC₂, by I. Higashi, 21 pp.

JAPANESE, par, Riken Gaku Kenkyusho Hokoku, Vol 100/102, 1961, pp 271-275. 9212441 or 9212439

AEC-NP-Tr-1027

Sci - Phys

Aug 63

34,438

Miyata, Akira and Koyama, Masashi.
ELECTRIC CHARACTERISTICS OF THE TITANIUM
ANODE FILM. Rept. no. 1 of a Study on the Metallic
Titanium Anode Oxidation. [1962] [21]p. (foreign text
included).

Order from SLA \$2.60

62-16842

Trans. of Rikagaku Kenkyujo Hokoku (Japan) [1961].
v. 37, no. 5, p. 290-296.

DESCRIPTORS: *Electrochemistry, *Metal films,
*Titanium, Oxidation, Electrical properties, Dielec-
trics, Anodes (Electrolytic cell), *Electrolytic
capacitors.

A new method is proposed whereby the formation of
metallic titanium is carried out in a non-aqueous solu-
tion. Paste type and solid type electrolytic condensers
were made and their various electrical properties were
(Chemistry--Physical, TT, v. 9, no. 2) (over)

62-16842

I. Miyata, A.
II. Koyama, M.
III. Title: Study ...

Office of Technical Services

Yamada, Akira, Yanagita, Masaya, and Suzuki,
Makoto.

THE POLYMERIZATION OF CYCLOPROPANE DERIVATIVES. [1963] [Sp] 11 refs
Order from SLA \$1.10

TT-63-20671

Trans. of Rikagaku Kenkyujo Hokoku (Japan) 1961,
v. 37, p. 429-431. (Abstract available)

DESCRIPTORS: *Propanes, *Polyethylene plastics,
*Heptanes, Molecular Isomerism, Ziegler catalysts,
Polymerization.

Upon polymerizing cyclopropane derivatives by opening the ring, the formation of new stereoisomeric polymers is possible. With this as the goal, bicyclo (4, 1, 0) heptane and phenylcyclopropane were polymerized using a Ziegler catalyst. The polymerization product was a liquid. The degree of polymerization of the former, (Materials--Plastics, TT, v. 11, no. 3) (over)

TT-63-20671

1. Title: Polybicyclo (4, 1, 0) heptane
2. Title: Polyphenyl cyclopropane

- I. Yamada, A.
- II. Yanagita, M.
- III. Suzuki, M.

Office of Technical Services

Kitahara, M., Mitsui, T., and Hirayama, T.
 OXIDATION BY HYDROGEN PEROXIDE AND SELE-
 NIUM DIOXIDE. Pt. 1 of Synthesis of α , β -Unsaturated
 Acids and their Esters by the Oxidation of α , β -Unsat-
 urated Aldehydes. [1962] 14p.
 Order from ATS \$18.50

ATS-78P64J

Trans. of Rikagaku Kenkyujo Hokoku (Japan) 1962,
 v. 38, no. 1, p. 81-89.

DESCRIPTORS: *Organic acids, *Esters, Synthesis,
 *Aldehydes, *Hydrogen compounds, *Peroxides,
 *Selenium compounds, *Dioxides, Oxidation.

63-12261

- I. Kitahara, M.
- II. Mitsui, T.
- III. Hirayama, T.
- IV. ATS-78P64J
- V. Title: Synthesis ...
- VI. Associated Technical
Services, Inc., East
Orange, N. J.

ATS II-4030

Office of Technical Services

(Chemistry--Organic, TT, v. 9, no. 2)

A Type of Hygrometer Which Utilizes the Anodized Film of Aluminum (III); Humidity Characteristics of the Sensor, by Hiroshi Watmari. 32 pp

JAPANESE, per, Rikagaku Kenkyusho Hokoiku, Vol XXXVIII, No 3, 1962, pp 288-300. 9213879-2 Put on ditto

9213878-2
p AEC-SCL-T-502

Sci - Engr
& Oct 63

Namba, S. and Hishiki, Y.
COLOR SENSITIZATION OF PHOTOCONDUCTIVE
MATERIALS BY DYES. PT. 2. SUPERSENSITIZA-
TION OF ZINC OXIDE BY CYANINE DYES. [1963]
17p
Order from ATS \$17.75

ATS-68Q72J

Trans. of Rikagaku Kenkyujo Hokoku (Japan) 1963,
v. 39, no. 1, p. 27-34.

DESCRIPTORS: Colors, *Photosensitivity, *Photo-
electric materials, *Dyes, *Zinc compounds, Oxides,
Photochemistry, *Photographic chemicals, Cyanines.

(Materials--Photographic, TT, v. 11, no. 4)

TT-64-12198

- I. Namba, S.
- II. Hishiki, Y.
- III. ATS-68Q72J
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.
- V. Title: Supersensitization

Sub TT-64-12198

Office of Technical Services